ELSEVIER

Engineering Geology 53 (1999) 405–406

ENGINEERING GEOLOGY

Author Index Volume 53

Adey, R.A. and Pusch, R.
Scale dependency in rock strength (53) 251
Al-Dhahir, Z., see Norris, G. (53) 177
Al-Rawas, A.A.
The factors controlling the expansive nature of the soils and rocks of northern Oman (53) 327
Allen, J.R.L.
Flake failure: a new mass-movement mechanism affecting peat beds eroded intertidally, Severn Estuary, southwest Britain (53) 23

Bell, F.G. and Lindsay, P.
The petrographic and geomechanical properties of some sandstones from the Newspaper Member of the Natal Group near Durban, South Africa (53) 57
Binley, A.M., see West, L.J. (53) 205
Birnstingl, J., see Norris, G. (53) 177
Bolton, M.D., see Treadaway, A.C.J. (53) 195
Brookes, A.H., see Reid, J.M. (53) 217

Carrier, M. and Soga, K.
A four terminal measurement system for measuring the dielectric properties of clay at low frequencies (53) 115
Chandrasekhar, V., see Gowda, B.M.R. (53) 35
Chaudhari, M.S., see Gowda, B.M.R. (53) 35
Chung, H.I. and Kang, B.H.
Lead removal from contaminated marine clay by electrokinetic soil decontamination (53) 139
Cripps, J.C., see Smith, C.C. (53) 187
Cui, S., see Norris, G. (53) 177

Dai, F., Lee, C.F., Wang, S. and Feng, Y.
Stress–strain behaviour of a loosely compacted volcanic-derived soil and its significance to rainfall-induced fill slope failures (53) 359
Du, Y., Li, S. and Hayashi, S.
Swelling–shrinkage properties and soil improvement of compacted expansive soil, Ning-Liang Highway, China (53) 351

Eccles, C.S. and Redford, R.P.
The use of dynamic (window) sampling in the site investigation of potentially contaminated ground (53) 125

Feng, Y., see Dai, F. (53) 359
Fukue, M., Nakamura, T., Kato, Y. and Yamasaki, S.
Degree of pollution for marine sediments (53) 131
Furuya, G., Sassa, K., Hiura, H. and Fukuoka, H.
Mechanism of creep movement caused by landslide activity and underground erosion in crystalline schist, Shikoku Island, southwestern Japan (53) 311

Ghosh, N., see Gowda, B.M.R. (53) 35
Gowda, B.M.R., Ghosh, N., Wadhwa, R.S., Chaudhari, M.S., Chandrasekhar, V. and Subbarao, C.
Seismic survey for detecting scour depths downstream of Srisailam dam, Andhra Pradesh, India (53) 35

Hatheway, A.W.
There is indeed such a thing as 'karstic'. A rebuttal (53) 399
Hatheway, A.W. and Reeves, G.M.
A second review of the international status of engineering geology–encompassing hydrogeology, environmental geology and the applied geosciences (53) 259
Hayashi, S., see Du, Y. (53) 351
Hewitt, P.J. and Philip, L.K.
Problems of clay desiccation in composite lining systems (53) 107
Hiura, H., see Furuya, G. (53) 311

Jardine, F.M., see Kwan, J.C.T. (53) 161

Kang, B.H., see Chung, H.I. (53) 139
Kato, Y., see Fukue, M. (53) 131
Keijzer, T., Kleingeld, P.J. and Loch, J.P.G.
Chemical osmosis in compacted clayey material and the prediction of water transport (53) 151
Kleingeld, P.J., see Keijzer, T. (53) 151
Kwan, J.C.T. and Jardine, F.M.
Ground engineering spoil: practices of disposal and reuse (53) 161

Lee, C.F., see Dai, F. (53) 359
Li, S., see Du, Y. (53) 351
Lindsay, P., see Bell, F.G. (53) 57
Loch, J.P.G., see Keijzer, T. (53) 151
Lynch, R.J., see Treadaway, A.C.J. (53) 195

Mayell, P., see Norris, G. (53) 177
Moo-Young, H., Myers, T.E., Townsend, D. and Ochola, C.
The migration of contaminants through geosynthetic fabric containers utilized in dredging operations (53) 167

0013-7952/99/$ – see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0013-7952(99)00087-3

Myers, T.E., see Moo-Young, H. (53) 167

Nakamura, T., see Fukue, M. (53) 131
Nguyen, T.S., see Selvadurai, A.P.S. (53) 243
Norris, G., Al-Dhahir, Z., Birnstingl, J., Plant, S.J., Cui, S. and Mayell, P.
A case study of the management and remediation of soil contaminated with polychlorinated biphenyls (53) 177

Ochola, C., see Moo-Young, H. (53) 167
Okagbue, C.O. and Onyeobi, T.U.S.
Potential of marble dust to stabilise red tropical soils for road construction (53) 371
Onyeobi, T.U.S., see Okagbue, C.O. (53) 371

Philip, L.K., see Hewitt, P.J. (53) 107
Plant, S.J., see Norris, G. (53) 177
Polemio, M. and Sdao, F.
The role of rainfall in the landslide hazard: the case of the Avigliano urban area (Southern Apennines, Italy) (53) 297
Pusch, R., see Adey, R.A. (53) 251

Raghuvanshi, T., see Sharma, S. (53) 381
Ramakrishnan, D. and Tiwari, K.C.
Calcretic and ferricretic duricrusts of the Thar Desert, India: their geotechnical appraisal as a road paving aggregate (53) 13
Redford, R.P., see Eccles, C.S. (53) 125
Reeves, G.M., see Hatheway, A.W. (53) 259
Reid, J.M. and Brookes, A.H.
Investigation of lime stabilised contaminated material (53) 217

Saavedra, A., see Taboada, J. (53) 1
Sahai, A., see Sharma, S. (53) 381
Sanderson, D.J., see Zhang, X. (53) 83
Sassa, K., see Furuya, G. (53) 311
Selvadurai, A.P.S. and Nguyen, T.S.
Mechanics and fluid transport in a degradable discontinuity (53) 243
Selvadurai, A.P.S. and Sepehr, K.
Discrete element modelling of fragmentable geomaterials with size dependent strength (53) 235
Sepehr, K., see Selvadurai, A.P.S. (53) 235
Sharma, S., Raghuvanshi, T. and Sahai, A.
An engineering geological appraisal of the Lakhwar Dam, Garhwal Himalaya, India (53) 381
Shaw, B., see West, L.J. (53) 205
Singh, T.N., see Singh, V.K. (53) 47
Singh, V.K. and Singh, T.N.
Geotechnical study of the optimum design of the Chandmari Coppermine, Rajasthan, India (53) 47
Smith, C.C., Cripps, J.C. and Wymer, M.J.
Permeability of compacted colliery spoil — a parametric study (53) 187
Soga, K., see Carrier, M. (53) 115
Stewart, D.I., see West, L.J. (53) 205
Subbarao, C., see Gowda, B.M.R. (53) 35

Taboada, J., Vaamonde, A. and Saavedra, A.
Evaluation of the quality of a granite quarry (53) 1
Tiwari, K.C., see Ramakrishnan, D. (53) 13
Townsend, D., see Moo-Young, H. (53) 167
Treadaway, A.C.J., Lynch, R.J. and Bolton, M.D.
Pollution transport studies using an in-situ fibre optic photometric sensor (53) 195

Vaamonde, A., see Taboada, J. (53) 1

Wadhwa, R.S., see Gowda, B.M.R. (53) 35
Wang, S., see Dai, F. (53) 359
West, L.J., Stewart, D.I., Binley, A.M. and Shaw, B.
Resistivity imaging of soil during electrokinetic transport (53) 205
Wymer, M.J., see Smith, C.C. (53) 187

Yamasaki, S., see Fukue, M. (53) 131

Zhang, X. and Sanderson, D.J.
Scale up of two-dimensional conductivity tensor for heterogenous fracture networks (53) 83

ELSEVIER

Engineering Geology 53 (1999) 407–408

ENGINEERING GEOLOGY

Subject Index Volume 53

Abutment Stability, (53) 381
Alternative technologies, (53) 177
Applied geoscience, (53) 259

Bentonite, (53) 151

Calcrete, (53) 13
Cations, (53) 327
Clay, (53) 107, 115
Clays, (53) 205
Cliffs, (53) 23
Colliery spoil, (53) 187
Compaction, (53) 107, 187
Concrete apron, (53) 35
Concrete gravity dam, (53) 381
Conductivity, (53) 83
Contaminant detection, (53) 115
Contaminated clay, (53) 139
Contaminated ground, (53) 125
Contaminated land, (53) 205
Contamination, (53) 217
Coupling, (53) 151
Crystalline schist, (53) 311

Dam foundation, (53) 381
Desiccation, (53) 107
Dielectric permittivity, (53) 115
Discrete element modelling, (53) 235
Discriminant analysis, (53) 1
Disposal barriers, (53) 151
Dredging, (53) 167
Dye tracer, (53) 195
Dynamic indentation, (53) 235
Dynamic sampling, (53) 125

Earthworks, (53) 161
Elasto–plastic stress–strain relationship, (53) 243
Electrode polarisation, (53) 115
Electrokinetics, 139, (53) 205
Engineering geology, professional practice, (53) 259
Environmental geology, (53) 259
Environmental geotechnics, (53) 205
Equipment, (53) 125
Erosion, 23, (53) 311
Expansive soil, (53) 351
Expansive soils and rocks, (53) 327

Fabric, (53) 351
Fabric containers, (53) 167
Ferricrete, (53) 13
Fibre optic sensor, (53) 195
Finite-element modelling, (53) 243
Fracture network, (53) 83
Fractures, (53) 23, 351
Fragmentable geomaterials, (53) 235

Geoestatistics, (53) 1
Geosynthetic, (53) 167
Geosynthetics, (53) 167
Geotechnical study, (53) 47
Gouge production, (53) 243
Granite, (53) 1
Groundwater, (53) 125

Hazard, (53) 297
Heavy metal, (53) 131
Heterogeneity, (53) 83
High clay content, (53) 177
Holocene, (53) 23
Hydraulic conductivity, (53) 187, 243
Hydrogeology, (53) 259

Incineration, (53) 177

Laboratory testing, (53) 115
Landfill, (53) 107
Landslide, (53) 297
Landslide activity, (53) 311
Leaching, (53) 217
Lead, (53) 139
Lime, (53) 217
Liners, (53) 107
Low temperature thermal desorption, (53) 177

Marble dust, (53) 371
Marine sediment, (53) 131
Microfabric, (53) 327
Mineralogy, (53) 327
Modeling, (53) 351
Monitoring, (53) 115, 311
Multivariate analysis, (53) 1

0013-7952/99/$ – see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0013-7952(99)00088-5

Natal Group, (53) 57
Newspaper Member, (53) 57
Numerical modelling, (53) 83

Oman, (53) 327
Open cast mine, (53) 47
Ornamental rocks, (53) 1
Osmosis, (53) 151

Parametric study, (53) 187
Pavement, (53) 13
Peat, (53) 23
Permeability, (53) 187, 217
Phosphorus, (53) 131
Plane failure, (53) 381
Pollution, (53) 131
Pollution migration/control, (53) 205
Pollution transport, (53) 195
Polychlorinated biphenyls (PCBs), (53) 177

Quality index, (53) 1

Rainfall, (53) 297
Red tropical soil, (53) 371
Remediation, (53) 139
Residual soil, (53) 359
Resistivity surveys, (53) 205
Reuse, (53) 161
Road construction, (53) 371
Rock joint mechanics, (53) 243
Rock strength, (53) 351

Sandstone, (53) 57
Scale dependency, (53) 351
Scaling up, (53) 83
Scour depth, (53) 35
Sediment, (53) 167
Sediment age, (53) 131
Sedimentation rate, (53) 131
Sediment discharge, (53) 311
Seismic reflection and refraction, (53) 35
Slope design, (53) 47
Slope failures, (53) 359
Slope stability, (53) 47
Soil improvement, (53) 351
Soil mechanics, (53) 359
Soil stabilisation, (53) 217
Soil type, (53) 125
Solute transport, (53) 151
South Africa, (53) 57
Southern Italy, (53) 297
Spoil, (53) 161
Spoil management, (53) 161
Stabilizing agent, (53) 371
Stress path, (53) 359
Success, (53) 177
Swelling–shrinkage behavior, (53) 351
Swelling potential, (53) 327
Swell percent, (53) 327
Swell pressure, (53) 327

Thar Desert, (53) 13
Triaxial tests, (53) 359

Vertical refraction profiling, (53) 35
Viscoplasticity, (53) 235

Waste, (53) 161
Waves, (53) 23